

# CITY OF MILPITAS

Building & Safety Department  
455 E. Calaveras Blvd.  
Milpitas, CA 95035  
408-586-3240

[www.ci.milpitas.ca.gov](http://www.ci.milpitas.ca.gov)



## ELECTRICAL PANEL

### **1. PERMIT INFORMATION:**

- ☐ A Building Permit may be issued only to a State of California Licensed Contractor or the Homeowner.
- ☐ Building Permits may be issued to a Homeowner for construction if that Homeowner indicates the intent to do his or her own work personally. If the inspection indicates the Homeowner is unable to perform the work satisfactorily, then a licensed contractor must perform the work.
- ☐ If the Homeowner is planning to hire workers, State Law requires the Homeowner to obtain Worker's Compensation Insurance. Proof of this insurance is required prior to inspection.

### **2. BUILDING REQUIREMENTS**

- ☐ The installation of a new electrical panel or modifications to an existing requires an electrical permit.
- ☐ All work must comply with the 2007 Building Code Standards (Building, Electrical, Mechanical, Plumbing and Energy), the 2008 Milpitas Municipal Code, and P.G.&E. installation standards.
- ☐ Equipment must be installed in accordance with the manufacturer's requirements.
- ☐ Disconnecting means shall be located according to CEC Section 230.70(A) and MMC Section II-6-2.03:
  - The service disconnecting means shall be installed at a readily accessible location either inside or outside of a building or structure or inside nearest the point of entrance of the service conductors.
  - Service disconnecting means shall not be installed in bathrooms.
  - Where a remote control sensing device(s) is used to actuate the service disconnecting means, the service disconnecting means shall be located in accordance with CEC Subsection 2307.70(A)(1).
  - The building main service disconnect and/or disconnects shall be installed on the first floor level of the building.
- ☐ New circuit breakers must be listed and approved for installation in the panel.
- ☐ The panel must be labeled.
- ☐ The new electrical panel must be installed in the same general location as the current electrical panel, otherwise plans must be submitted and approved and the permit obtained in person from the Permit Center, Building & Safety Department, 455 E. Calaveras Blvd.
- ☐ If the new electrical panel exceeds 200 amps, plans must be submitted and approved and the permit obtained in person from the Permit Center.
- ☐ Grounding and bonding of the electrical service is required when the panel is replaced. Grounding and bonding shall comply with Article 250 of the 2007 California Electric Code.
- ☐ In conformance with 2007 CEC Section 210.12(B), in addition to any requirements for new dwelling construction or additions containing bedrooms, listed arc-fault circuit interrupters, combination type, shall be installed when:
  - Any electrical service panel containing bedroom branch circuits is being replaced.
  - Any electrical (sub) panel containing bedroom branch circuits is being replaced.
  - Any alteration or extension of the electrical system branch circuits that supplies existing dwelling unit bedrooms.

- ☐ **Smoke alarms:** When the value of the work exceeds \$1,000, smoke detectors must be installed if they do not exist as follows: in each sleeping room, at a point centrally located in the corridor or area giving access to each separate sleeping area, and on each story. In existing construction, detectors may be battery operated. See CBC Section 907.2.10 and the separate handout on Smoke Alarms for more information.
- ☐ **Spark arrester:** When the value of the work exceeds \$1,000, a spark arrester must be installed on fireplace chimneys if one does not exist per MMC Section II-3-2.06. Spark arresters shall be constructed in conformance with CBC Section 2113.9.1 or 2802.1. See separate handout on Spark Arresters for more information.

### **3. INSPECTION PROCEDURES**

- ☐ A minimum of two inspections are required, a utility release and a final. The utility release inspection should be scheduled when the new panel is installed and ready to be hooked by PG&E. A wire lath inspection is required for stucco repairs. A final inspection should be scheduled after all of the work is complete. For each inspection, the Permit Card and the Approved Job Copy of the Drawings (if any) must be presented to the inspector. Permits expire 180 days after the last passed inspection.

### **4. QUESTIONS:**

- ☐ If you have any questions regarding your project contact the Building & Safety Department at (408) 586-3240.